LOGIN NOTICE CONFIRMATION (Work Order 23E1859)

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CLIENT	Mid Shuswap Lumby Water Stewards		
PO NUMBER	Mid Shuswap Lumby Water Stewards	**QUOTATION ID**	RDNO Master Bid
PROJECT	Analytical Testing	**SUBMITTED BY**	
PROJECT INFO	[none]	**COC NO.**	40837.5581

Receipt Details:

RECEIVED	2023-05-15 09:03	**SAMPLES LOGGED IN**	7
LOCATION	Kelowna Lab	**LOGGED IN**	2023-05-15 13:35
		ACCOUNT MGR	Team CARO

Sample Condition Summary: Quantity of Transport Vessels Received: 1

Receipt Temperature = 1.1°C

Broken Container(s)	No	Sampling Date(s) Missing	No	Incorrect Cont./Pres.	No	Custody Seals Intact	
Cooling Initiated	Yes	Sample(s) Frozen	No	Missing/Extra Samples	No	Documentation Issue	No
Environmental Sample(s) >10°C	No	Microbiological Sample(s) >8°C	No				

Note: *Sample transport temperatures of less than 8°C for microbiological parameters and less than or equal to 10°C for environmental parameters is recommended. Samples that exceed these values will still be processed. However, please note that the analytical results may be affected, especially for samples collected prior to the day of receipt.*

REPORT TO
Russ Collins
Mid Shuswap Lumby Water Stewards
1631 Mable Lake Rd
Lumby, BC V0E 2G6
Tel: (250) 547-2554

INCLUDE QC	No
INCLUDE COC	No
EXTRAS	Guidelines

INVOICE TO
Accounts Payable
Regional District of North Okanagan
9848 Aberdeen Road
Coldstream, BC V1B 2K9
Tel: (250) 550-3740

FREQUENCY	Monthly
GST EXEMPT	No
PAYMENT TERMS	COD
MIN AMOUNT	N/A

Delivery Plan:

REPORT DUE 2023-05-25 17:00 (5-7 day TAT)

Contact Name	Email / Fax / Cellular	Login Notice	Report	Invoice	EDD	EDD Format	CC to	Fax	Text	Mail
Russ Collins	russcollins1@hotmail.com	✓	✓		✓	CARO Excel				
Accounts Payable	financeap@rdno.ca			✓			russcollins1@gmail.com			

Analysis Schedule:

Analysis / Version	Due	Expires [1]	Status	Comments

Harris Creek (HWY 6) (23E1859-01) | Matrix: Water | Sampled: 2023-05-14 11:30 |

Container(s) Submitted:

A = C11_1 L Plastic (General)
B = C07_300 mL Plastic (Micro-S)
C = C10_125 mL Plastic (H2SO4)
D = C05_125 mL Plastic (Metals)
E = C06_40 mL Vial (Mercury)

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Analysis Schedule, Continued:

Analysis / Version	Due	Expires [1]	Status	Comments
Harris Creek (HWY 6) (23E1859-01) | Matrix: Water | Sampled: 2023-05-14 11:30 | , Continued				
Ammonia, Total	2023-05-25	2023-06-11	Available	
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available	
Chloride by IC	2023-05-25	2023-06-11	Available	
Conductivity	2023-05-25	2023-06-11	Available	
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available	
pH	2023-05-25	2023-05-14	Available	
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available	
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available	
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available	
Sulfate by IC	2023-05-25	2023-06-11	Available	
Turbidity	2023-05-25	2023-05-17	Available	
Duteau Creek (HWY 6) (23E1859-02) | Matrix: Water | Sampled: 2023-05-14 11:15 |				
Container(s) Submitted:				
A = C11_1 L Plastic (General)	*B = C07_300 mL Plastic (Micro-S)*		*C = C10_125 mL Plastic (H2SO4)*	
D = C05_125 mL Plastic (Metals)	*E = C06_40 mL Vial (Mercury)*			
Ammonia, Total	2023-05-25	2023-06-11	Available	
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available	
Chloride by IC	2023-05-25	2023-06-11	Available	
Conductivity	2023-05-25	2023-06-11	Available	
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available	
pH	2023-05-25	2023-05-14	Available	
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available	
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available	
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available	
Sulfate by IC	2023-05-25	2023-06-11	Available	
Turbidity	2023-05-25	2023-05-17	Available	
Mid Bessette Creek (23E1859-03) | Matrix: Water | Sampled: 2023-05-14 10:40 |				
Container(s) Submitted:				
A = C11_1 L Plastic (General)	*B = C07_300 mL Plastic (Micro-S)*		*C = C10_125 mL Plastic (H2SO4)*	
D = C05_125 mL Plastic (Metals)	*E = C06_40 mL Vial (Mercury)*			
Ammonia, Total	2023-05-25	2023-06-11	Available	
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available	
Chloride by IC	2023-05-25	2023-06-11	Available	
Conductivity	2023-05-25	2023-06-11	Available	
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available	
pH	2023-05-25	2023-05-14	Available	
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available	
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available	
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available	
Sulfate by IC	2023-05-25	2023-06-11	Available	
Turbidity	2023-05-25	2023-05-17	Available	

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Analysis Schedule, Continued:

Analysis / Version	Due	Expires [1]	Status	Comments

Lower Bessette Creek (23E1859-04) | Matrix: Water | Sampled: 2023-05-14 10:25 |

Container(s) Submitted:
A = C11_1 L Plastic (General) *B = C07_300 mL Plastic (Micro-S)* *C = C10_125 mL Plastic (H2SO4)*
D = C05_125 mL Plastic (Metals) *E = C06_40 mL Vial (Mercury)*

Ammonia, Total	2023-05-25	2023-06-11	Available
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available
Chloride by IC	2023-05-25	2023-06-11	Available
Conductivity	2023-05-25	2023-06-11	Available
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available
pH	2023-05-25	2023-05-14	Available
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available
Sulfate by IC	2023-05-25	2023-06-11	Available
Turbidity	2023-05-25	2023-05-17	Available

Shuswap River (Wilsey Dam) (23E1859-05) | Matrix: Water | Sampled: 2023-05-14 10:10 |

Container(s) Submitted:
A = C11_1 L Plastic (General) *B = C07_300 mL Plastic (Micro-S)* *C = C10_125 mL Plastic (H2SO4)*
D = C05_125 mL Plastic (Metals) *E = C06_40 mL Vial (Mercury)*

Ammonia, Total	2023-05-25	2023-06-11	Available
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available
Chloride by IC	2023-05-25	2023-06-11	Available
Conductivity	2023-05-25	2023-06-11	Available
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available
pH	2023-05-25	2023-05-14	Available
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available
Sulfate by IC	2023-05-25	2023-06-11	Available
Turbidity	2023-05-25	2023-05-17	Available

Shuswap River (Odd Fellows) (23E1859-06) | Matrix: Water | Sampled: 2023-05-14 09:20 |

Container(s) Submitted:
A = C11_1 L Plastic (General) *B = C07_300 mL Plastic (Micro-S)* *C = C10_125 mL Plastic (H2SO4)*
D = C05_125 mL Plastic (Metals) *E = C06_40 mL Vial (Mercury)*

Ammonia, Total	2023-05-25	2023-06-11	Available
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available
Chloride by IC	2023-05-25	2023-06-11	Available
Conductivity	2023-05-25	2023-06-11	Available
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available
pH	2023-05-25	2023-05-14	Available
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available

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Analysis Schedule, Continued:

Analysis / Version	Due	Expires [1]	Status	Comments
Shuswap River (Odd Fellows) (23E1859-06) | Matrix: Water | Sampled: 2023-05-14 09:20 | , Continued				
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available	
Sulfate by IC	2023-05-25	2023-06-11	Available	
Turbidity	2023-05-25	2023-05-17	Available	
Vance Creek (Mabel Lake Rd) (23E1859-07) | Matrix: Water | Sampled: 2023-05-14 11:00 |				
Container(s) Submitted: *A = C11_1 L Plastic (General)*; *B = C07_300 mL Plastic (Micro-S)*; *C = C10_125 mL Plastic (H2SO4)*; *D = C05_125 mL Plastic (Metals)*; *E = C06_40 mL Vial (Mercury)*				
Ammonia, Total	2023-05-25	2023-06-11	Available	
Bacteria (Q-Tray)	2023-05-25	2023-05-15	Available	
Chloride by IC	2023-05-25	2023-06-11	Available	
Conductivity	2023-05-25	2023-06-11	Available	
Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)	2023-05-25	2023-05-17	Available	
pH	2023-05-25	2023-05-14	Available	
Phosphorus, Total by Colorimetry	2023-05-25	2023-06-11	Available	
Phosphorus, Total Dissolved by Colorimetry	2023-05-25	2023-06-11	Available	
Sample Filtration, Nutrients (0.45 um + H2SO4)	2023-05-25	2023-05-17	Available	
Sulfate by IC	2023-05-25	2023-06-11	Available	
Turbidity	2023-05-25	2023-05-17	Available	

1 *Red font indicates that the analysis has already or is about to expire. In order to guarantee that your samples will be analyzed within the recommended holding time, they must be received at least one day prior to the expiry date (3 hours for microbiological testing). Note that all pH in water / Chlorine / Temperature / Dissolved Oxygen results will be automatically be qualified as they should be analyzed in the field for greatest accuracy.*

Packages and their respective Analyses included in this Work Order:

Bacteria (Q-Tray)

Coliforms, Fecal (QT)	Coliforms, Total (QT)	E. coli (QT)

Nitrogen Pkg 3 (TKN, NO3, NO2 by IC)

Nitrate by IC	Nitrate+Nitrite (as N) (Calc)	Nitrite by IC
Nitrogen, Total (Calc)	Nitrogen, Total Kjeldahl	

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Each Analysis includes the following Analytes and their respective Reporting Limits [RLs]:				
Ammonia, Total in Water		*Reference Method: SM 4500-NH3 G* (2021)*		*Units: mg/L*
Ammonia, Total (as N) [0.05]				
Anions by IC in Water		*Reference Method: SM 4110 B (2020)*		*Units: mg/L*
Chloride [0.1]	Nitrate (as N) [0.01]	Nitrite (as N) [0.01]	Sulfate [1]	
Coliforms, Fecal (QT) in Water		*Reference Method: NA / SM 9223 (2016)*		*Units: MPN/100 mL*
Coliforms, Fecal (Q-Tray) [1]				
Coliforms, Total (QT) in Water		*Reference Method: NA / SM 9223 (2016)*		*Units: MPN/100 mL*
Coliforms, Total (Q-Tray) [1]				
Conductivity in Water		*Reference Method: SM 2510 B (2021)*		*Units: uS/cm*
Conductivity (EC) [2]				
E. coli (QT) in Water		*Reference Method: NA / SM 9223 (2016)*		*Units: MPN/100 mL*
E. coli (Q-Tray) [1]				
Nitrogen, Total Kjeldahl in Water		*Reference Method: SM 4500-Norg D* (2021)*		*Units: mg/L*
Nitrogen, Total Kjeldahl [0.05]				
pH in Water		*Reference Method: SM 4500-H+ B (2021)*		*Units: pH units*
pH [0.1]				
Phosphorus, Total by Colorimetry in Water		*Reference Method: SM 4500-P B.5* (2011) / SM 4500-P F (2021)*		*Units: mg/L*
Phosphorus, Total (as P) [0.005]				
Phosphorus, Total Dissolved by Colorimetry in Water		*Reference Method: SM 4500-P B.5* (2011) / SM 4500-P F (2021)*		*Units: mg/L*
Phosphorus, Total Dissolved [0.005]				
Turbidity in Water		*Reference Method: SM 2130 B (2020)*		*Units: NTU*
Turbidity [0.1]				

Note: RLs on Final Report may be higher than expected due to: 1) limited sample volume, 2) high moisture, 3) analytical interferences

Please verify that all of the information included in this Login Notice is correct. If there are any errors, omissions, or concerns, please contact us at 1-888-311-8846.

You can expect to receive the analytical report via email on or after the due date shown above.

Thank you for using CARO!

23E1859

ANALYTICAL SERVICES

☐ 110 - 4011 VIKING WAY, RICHMOND, BC V6V 2K9
TEL: (604) 279-1499 FAX: (604) 279-1599

☒ 102 - 3677 HIGHWAY 97N, KELOWNA, BC V1X 5C3
TEL: (250) 765-9646 FAX: (250) 765-3893

☐ 17225 - 109 AVENUE NW, EDMONTON, AB T5S 1H7
TEL: (780) 489-9100 FAX: (480) 489-9700

CHAIN-OF-CUSTODY RECORD

CARO BC COC, Rev 03/13

COC# 40837.5581 Page 1 of 1

RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE: May 15
	TIME:	D.Alwi	TIME: 9:03
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:

REPORT TO:
COMPANY: Mid Shuswap Lumby Water Stewards
ADDRESS:
CONTACT: Russ Collins
TEL / FAX: 250 547 0272
EMAIL PDF ☒ EDD ☐
EMAIL 1: russcollins1@hotmail.com
EMAIL 2: rick.fairbairn@rdno.ca
MAIL HARDCOPY ☐ HOLD FOR P/U ☐ FAX ☐

INVOICE TO: SAME AS REPORT TO ☐
COMPANY: RDNO
ADDRESS: 9848 Aberdeen Rd
Coldstream, BC V1B 2K9
CONTACT: Leah Mellott
TEL / FAX: 250 550 3722
EMAIL PDF ☒
EMAIL 1: rick.fairbairn@rdno.ca
EMAIL 2: russcollins1@hotmail.com
MAIL HARDCOPY ☐ HOLD FOR P/U ☐

PROJECT: Mid Shu Lumby
PROJECT INFO:
PO #:
SAMPLED BY:
SHIPPING INSTRUCTIONS: RETURN COOLER(S) ☒
SHIP SUPPLIES (PLEASE SPECIFY IN OTHER INSTRUCTIONS SECTION) ☐

TURNAROUND TIME REQUESTED: Routine (4-7 days) ☒ Other:
Rush:* 1 Day ☐ 2 Day ☐ 3 Day ☐ * Contact the lab to confirm, surcharges may apply

ANALYSES REQUESTED:

CLIENT SAMPLE ID:	MATRIX: DRINKING WATER	OTHER WATER	SOIL	OTHER	# CONTAINERS	SAMPLING: DATE DD-MMM-YY	TIME HH:MM	COMMENTS: CHLORINATED	FILTERED	PRESERVED	(i.e. flow/volume media ID/notes)
Harris Creek (HWY 6)	☐	☒	☐	☐	4	May 14	11:30	☐	☐	☐	
Duteau Creek (HWY 6)	☐	☒	☐	☐	4		11:15	☐	☐	☐	
Mid Bessette Creek	☐	☒	☐	☐	4		10:40	☐	☐	☐	
Lower Bessette Creek	☐	☒	☐	☐	4		10:25	☐	☐	☐	
Shuswap River (Wilsey Dam)	☐	☒	☐	☐	4		10:10	☐	☐	☐	
Shuswap River (Odd Fellows)	☐	☒	☐	☐	4		9:20	☐	☐	☐	
Vance Creek (Mabel Lake Rd)	☐	☒	☐	☐	4		11:00	☐	☐	☐	
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Chloride	Nitrogen, Nitrate as N	Nitrogen, Nitrite as N	Nitrogen, Total Kjeldahl	Nitrogen, Nitrate + Nitrite as N	Nitrogen, Total	Sulphate	Conductivity	Phosphorus, Total Kjeldahl	Phosphorus, Total Kjeldahl Dissolved	pH	Turbidity	Fecal Coliforms	E. coli	Total Coliforms	Total Ammonia-N		METALS – Water Total						HOLD
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APPLICABLE REGULATORY LIMITS:
Canadian Drinking Water Quality Guidelines ☐
BC Drinking Water Protection Act/Reg. ☐
BC CSR: AL ☐ RL ☐ CL ☐ IL ☐ AW ☐
CCME ☐ Alberta Tier 1 ☐
OTHER:

SAMPLE RETENTION INSTRUCTIONS (Discarded 30 days after Report unless otherwise specified):
60 Days ☐ 90 Days ☐ Longer Date (Surcharges will apply):

OTHER INSTRUCTIONS:
Please send results in excel and pdf format

PAYMENT
Cheque ☐
Credit ☐
Debit ☐
Cash ☐
Invoice ☒

SAMPLE RECEIPT TEMP (°C): 1.1
Work Order #
CUSTODY SEALS INTACT: ☐Y ☐N ☐NA

Required Fields Recommended Fields **SHADED AREAS:** LAB USE ONLY